

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claims 1 – 37 (cancelled)

Claim 38 (currently amended): A turbocharger system for an internal combustion engine, comprising:

a turbocharger;

an oiling system coupled to the turbocharger for supplying oil to the bearings of the turbocharger; and

mounting hardware for remotely mounting the turbocharger away from an engine

compartment of a vehicle at a location that is at least partially in the space normally occupied by the vehicle's existing muffler.

Claim 39 (previously presented): The turbocharger system of claim 38, wherein said turbocharger includes an oil inlet configured for being coupled to a pressure side of said oiling system, an oil outlet, an exhaust inlet, an exhaust outlet, an air charge inlet, and an air charge outlet.

Claim 40 (previously presented): The turbocharger of claim 38, wherein said oiling system comprises an oil pump in fluid communication with said turbocharger.

Claim 41 (previously presented): The turbocharger of claim 39, further comprising a valve in fluid communication with the oil inlet of the turbocharger to prevent oil from flowing into the turbocharger when the pressure on the pressure side of the oiling system drops below a predetermined level.

Claim 42 (previously presented): The turbocharger of claim 38, wherein said oiling system includes the oiling system of the vehicle.

Claim 43 (cancelled)

Claim 44 (previously presented): The turbocharger system of claim 41, wherein an outlet of said valve is positioned before said oil inlet of said turbocharger.

Claim 45 (previously presented): The turbocharger system of claim 39, further comprising an air filter coupled to the air charge inlet of the turbocharger.

Claim 46 (previously presented): The turbocharger system of claim 45, further comprising a duct for coupling said air filter to said turbocharger at a location away from the engine compartment of the vehicle, the location being relatively isolated from road debris.

Claim 47 (previously presented): The turbocharger system of claim 46, wherein said duct is configured to mount said air filter in a fender well of the vehicle.

Claim 48 (previously presented): The turbocharger system of claim 39, further comprising a wastegate coupled between an exhaust system of the vehicle at a location before the exhaust inlet of the turbocharger.

Claim 49 (previously presented): The turbocharger system of claim 38, further comprising a water injection system coupled to a charge air tube for injecting water into a flow of gases exiting the turbocharger to cool the flow of gases.

Claim 50 (previously presented): The turbocharger system of claim 48, further comprising a wastegate control system for regulating boost pressure.

Claim 51 (previously presented): The turbocharger system of claim 40, wherein said oil pump is remotely mounted away from the engine compartment of the vehicle.

Claim 52 (previously presented): The turbocharger system of claim 40, further comprising a pump controller for varying the speed of the pump according to engine speed.

Claim 53 (currently amended): A method of mounting a turbocharger to an internal combustion engine driven vehicle, comprising:

mounting an exhaust inlet of a turbocharger to an exhaust system of a vehicle ~~at a location~~
~~remotely located away from an engine of the vehicle~~, the turbocharger having an oil inlet and an oil outlet; ~~and~~

coupling an oil pump in fluid communication with the oil outlet of the turbocharger and a reservoir side of an oil system; and

removing an existing muffler from the vehicle and mounting the turbocharger at least partially in a space normally occupied by the existing muffler.

Claim 54 (cancelled)

Claim 55 (previously presented): The method of mounting a turbocharger to an internal combustion engine driven vehicle of claim 53, further comprising installing a valve between the turbocharger oil inlet and a pressure side of the oil system.

Claim 56 (previously presented): The method of mounting a turbocharger to an internal combustion engine driven vehicle of claim 53, further comprising positioning an inlet to the oil pump in fluid communication with the oil outlet of the turbocharger.

Claim 57 (currently amended): The method of mounting a turbocharger to an internal combustion engine driven vehicle of claim 53 ~~42~~, further comprising coupling an air filter to an air charge inlet of the turbocharger.

Claim 58 (canceled):

Claim 59 (currently amended): The method of mounting a turbocharger to an internal combustion engine driven vehicle of claim 58, wherein the ~~location is~~ air filter is positioned in a fender well of the vehicle.

Claim 60 (previously presented): The method of mounting a turbocharger to an internal combustion engine driven vehicle of claim 53, further comprising coupling a wastegate between an exhaust pipe of the vehicle at a location before an exhaust inlet of the turbocharger and a tail pipe of the vehicle.

Claim 61 (previously presented): The method of mounting a turbocharger to an internal combustion engine driven vehicle of claim 53, further comprising coupling a water injection system to the turbocharger for injecting water into an air charge flow exiting the turbocharger.

Claim 62 (previously presented): The method of mounting a turbocharger to an internal combustion engine driven vehicle of claim 53, further comprising providing a modified engine oil fill cap with fittings to couple to an oil return line extending between the oil pump and the fill cap.

Claim 63 (previously presented): The method of mounting a turbocharger to an internal combustion engine driven vehicle of claim 53, further comprising providing a wastegate control system for regulating boost pressure.

Claim 64 (previously presented): The method of mounting a turbocharger to an internal combustion engine driven vehicle of claim 53, further comprising providing a pump controller for varying a speed of the pump according to engine speed.

Claim 65 (previously presented): A turbocharger installation kit for a combustion engine, comprising:
a turbocharger;

an oil pump for coupling to the turbocharger to assist in the flow of oil through the turbocharger;

first exhaust plumbing configured for coupling said turbocharger to a flow of exhaust from an engine of a vehicle;

first mounting hardware configured for remotely mounting the turbocharger to the vehicle and at least partially in a space occupied by the vehicle's existing muffler away from an engine of the vehicle;

a first oil line configured for coupling between an oiling system of the vehicle and the turbocharger; and

a second oil line for coupling between the oil pump and the oiling system of the vehicle.

Claim 66 (previously presented): The turbocharger installation kit of claim 65, further comprising a first duct for delivering air from the turbocharger to a throttle body of the engine.

Claim 67 (canceled)

Claim 68 (previously presented): The turbocharger installation kit of claim 65, further comprising a valve for coupling to the first oil line and for preventing oil flow into the turbocharger when the engine is not running.

Claim 69 (previously presented): The turbocharger installation kit of claim 65, further comprising second exhaust plumbing for coupling to the turbocharger and exiting exhaust from the turbocharger.

Claim 70 (currently amended): The turbocharger installation kit of claim 65, further comprising second mounting hardware for mounting the oil pump ~~proximate to~~ an underside of the vehicle.

Claim 71 (previously presented): The turbocharger installation kit of claim 65, further comprising an electrical harness, switch, and relay for providing variable voltage to the oil pump to adequately meet the varying flow requirements of the turbocharger while reducing the noise output of the oil pump when flow requirements are minimal.

Claim 72 (previously presented): The turbocharger installation kit of claim 65, further comprising a hose and fittings to connect a fuel pressure regulator to an intake tube, an intake manifold, or to an exhaust line.

Claim 73 (previously presented): The turbocharger installation kit of claim 65, further comprising a wastegate control system for regulating boost pressure.

Claim 74 (previously presented): The turbocharger installation kit of claim 65, further comprising a pump controller for regulating the speed of the pump according to engine speed.

Claim 75 (new): A turbocharger system for an internal combustion engine, comprising:
a turbocharger, said turbocharger including an oil inlet configured for being coupled to a pressure side of said oiling system, an oil outlet, an exhaust inlet, an exhaust outlet, an air charge inlet, and an air charge outlet;
an oiling system coupled to the turbocharger for supplying oil to the bearings of the turbocharger;
mounting hardware for remotely mounting the turbocharger away from an engine compartment of a vehicle and on the underside of the vehicle;
an air filter coupled to the air charge inlet of the turbocharger; and
a duct for coupling said air filter to said turbocharger, said air filter being coupled to the underside of the vehicle and relatively isolated from road debris.

Claim 76 (new): The turbocharger system of claim 75, wherein said oiling system comprises an oil pump in fluid communication with said turbocharger.

Claim 77 (new): The turbocharger system of claim 76, further comprising a valve in fluid communication with the oil inlet of the turbocharger to prevent oil from flowing into the

turbocharger when the pressure on the pressure side of the oiling system drops below a predetermined level.

Claim 78 (new): The turbocharger system of claim 75, wherein said oiling system includes the oiling system of the vehicle.

Claim 79 (new): The turbocharger system of claim 75, wherein said duct is configured to mount said air filter in a fender well of the vehicle.

Claim 80 (new): The turbocharger system of claim 76, wherein said oil pump is mounted to an underside of the vehicle.

Claim 81 (new): The turbocharger system of claim 77, further comprising a pump controller for varying the speed of the pump according to engine speed.

Claim 82 (new): A turbocharger system for an internal combustion engine, comprising:
a turbocharger;
an oiling system coupled to the turbocharger for supplying oil to the bearings of the turbocharger;
mounting hardware for remotely mounting the turbocharger to an underside of the vehicle and away from an engine compartment of the vehicle; and

a water injection system coupled to a charge air tube for injecting water into a flow of gases exiting the turbocharger to cool the flow of gases.

Claim 83 (new): The turbocharger system of claim 82, further comprising an air filter and a duct for coupling said air filter to said turbocharger, said air filter being coupled to the vehicle and relatively isolated from road debris

Claim 84 (new): The turbocharger of claim 82, wherein said oiling system comprises an oil pump in fluid communication with said turbocharger.

Claim 85 (new): The turbocharger of claim 82, further comprising a valve in fluid communication with the turbocharger to prevent oil from flowing into the turbocharger when the pressure on the pressure side of the oiling system drops below a predetermined level.

Claim 86 (new): The turbocharger of claim 82, wherein said oiling system includes the oiling system of the vehicle.

Claim 87 (new): A method of mounting a turbocharger to an internal combustion engine driven vehicle, comprising:

mounting an exhaust inlet of a turbocharger to an exhaust system of a vehicle at a location on the underside of the vehicle away from an engine of the vehicle, the turbocharger having an oil inlet and an oil outlet;

coupling an oil pump in fluid communication with the oil outlet of the turbocharger and a reservoir side of an oil system; and

providing a modified engine oil fill cap with fittings to couple to an oil return line extending between the oil pump and the fill cap.

Claim 88 (new): The method of mounting a turbocharger to an internal combustion engine driven vehicle of claim 87, further comprising removing an existing muffler from the vehicle and mounting the turbocharger at least partially in a space normally occupied by the existing muffler.

Claim 89 (new): The method of mounting a turbocharger to an internal combustion engine driven vehicle of claim 87, further comprising installing a valve between the turbocharger oil inlet and a pressure side of the oil system.

Claim 90 (new): A turbocharger installation kit for combustion engine, comprising:

a turbocharger;

an oil pump for coupling to the turbocharger to assist in the flow of oil through the turbocharger;

first exhaust plumbing configured for coupling said turbocharger to a flow of exhaust from an engine of a vehicle;

first mounting hardware configured for mounting the turbocharger to the underside of the vehicle at a location away from an engine compartment of the vehicle;

a first oil line configured for coupling between an oiling system of the vehicle and the turbocharger;

a second oil line for coupling between the oil pump and the oiling system of the vehicle; and

a valve for coupling to the first oil line and for preventing oil flow into the turbocharger when the engine is not running.

Claim 91 (new): The turbocharger installation kit of claim 90, further comprising a first duct for delivering air from the turbocharger to a throttle body of the engine.

Claim 92 (new): The turbocharger installation kit of claim 90, wherein said mounting hardware is configured to mount the turbocharger at least partially in a space normally occupied by an existing muffler of the vehicle.

Claim 93 (new): The turbocharger installation kit of claim 90, further comprising a valve for coupling to the first oil line and for preventing oil flow into the turbocharger when the engine is not running.

Claim 94 (new): The turbocharger installation kit of claim 90, further comprising second exhaust plumbing for coupling to the turbocharger and exiting exhaust from the turbocharger.

Claim 95 (new): The turbocharger installation kit of claim 90, further comprising second mounting hardware for mounting the oil pump proximate an underside of the vehicle.

Claim 96 (new): The turbocharger installation kit of claim 90, further comprising an electrical harness, switch, and relay for providing variable voltage to the oil pump to adequately meet the varying flow requirements of the turbocharger while reducing the noise output of the oil pump when flow requirements are minimal.

Claim 97 (new): The turbocharger installation kit of claim 90, further comprising a hose and fittings to connect a fuel pressure regulator to an intake tube, an intake manifold, or to an exhaust line.

Claim 98 (new): The turbocharger installation kit of claim 90, further comprising a wastegate control system for regulating boost pressure.

Claim 99 (new): The turbocharger installation kit of claim 90, further comprising a pump controller for regulating the speed of the pump according to engine speed.

Claim 100 (new): A turbocharger installation kit for combustion engine, comprising:

- a turbocharger;
- an oil pump for coupling to the turbocharger to assist in the flow of oil through the turbocharger;
- first exhaust plumbing configured for coupling said turbocharger to a flow of exhaust from an engine of a vehicle;
- second exhaust plumbing for coupling to the turbocharger and exiting exhaust from the turbocharger;
- first mounting hardware configured for mounting the turbocharger to the underside of the vehicle and away from an engine of the vehicle;
- a first oil line configured for coupling between an oiling system of the vehicle and the turbocharger;
- a second oil line for coupling between the oil pump and the oiling system of the vehicle; and
- second mounting hardware configured for mounting the oil pump to an underside of the vehicle.

Claim 101 (new): The turbocharger installation kit of claim 100, further comprising a first duct for delivering air from the turbocharger to a throttle body of the engine.

Claim 102 (new): The turbocharger installation kit of claim 100, wherein said first mounting hardware is configured to mount the turbocharger at least partially in a space normally occupied by an existing muffler of the vehicle.

Claim 103 (new): The turbocharger installation kit of claim 100, further comprising a valve for coupling to the first oil line and for preventing oil flow into the turbocharger when the engine is not running.

Claim 104 (new): The turbocharger installation kit of claim 100, further comprising second exhaust plumbing for coupling to the turbocharger and exiting exhaust from the turbocharger.

Claim 105 (new): The turbocharger installation kit of claim 100, further comprising an electrical harness, switch, and relay for providing variable voltage to the oil pump to adequately meet the varying flow requirements of the turbocharger while reducing the noise output of the oil pump when flow requirements are minimal.

Claim 106 (new): The turbocharger installation kit of claim 100, further comprising a hose and fittings to connect a fuel pressure regulator to an intake tube, an intake manifold, or to an exhaust line.

Claim 107 (new): The turbocharger installation kit of claim 100, further comprising a wastegate control system for regulating boost pressure.

Claim 108 (new): The turbocharger installation kit of claim 100, further comprising a pump controller for regulating the speed of the pump according to engine speed.

Claim 109 (new): A turbocharger installation kit for combustion engine, comprising:

- a turbocharger;
- an oil pump for coupling to the turbocharger to assist in the flow of oil through the turbocharger;
- first exhaust plumbing configured for coupling said turbocharger to a flow of exhaust from an engine of a vehicle;
- mounting hardware configured for remotely mounting the turbocharger to an underside of the vehicle away from an engine of the vehicle;
- a first oil line configured for coupling between an oiling system of the vehicle and the turbocharger;
- a second oil line for coupling between the oil pump and the oiling system of the vehicle; and
- an electrical harness, switch, and relay for providing variable voltage to the oil pump to adequately meet the varying flow requirements of the turbocharger while reducing the noise output of the oil pump when flow requirements are minimal.

Claim 110 (new): The turbocharger installation kit of claim 109, further comprising a first duct for delivering air from the turbocharger to a throttle body of the engine.

Claim 111 (new): The turbocharger installation kit of claim 109, wherein said mounting hardware is configured to mount the turbocharger in a space normally occupied by an existing muffler of the vehicle.

Claim 112 (new): The turbocharger installation kit of claim 109, further comprising a valve for coupling to the first oil line and for preventing oil flow into the turbocharger when the engine is not running.

Claim 113 (new): The turbocharger installation kit of claim 109, further comprising second exhaust plumbing for coupling to the turbocharger and exiting exhaust from the turbocharger.

Claim 114 (new): The turbocharger installation kit of claim 109, further comprising mounting hardware for mounting the oil pump proximate an underside of the vehicle.

Claim 115 (new): The turbocharger installation kit of claim 109, further comprising a hose and fittings to connect a fuel pressure regulator to an intake tube, an intake manifold, or to an exhaust line.

Claim 116 (new): A turbocharger installation kit for a combustion engine, comprising:

- a turbocharger;
- an oil pump for coupling to the turbocharger to assist in the flow of oil through the turbocharger;
- first exhaust plumbing configured for coupling said turbocharger to a flow of exhaust from an engine of a vehicle;
- mounting hardware configured for mounting the turbocharger to an underside of the vehicle;
- a first oil line configured for coupling between an oiling system of the vehicle and the turbocharger;
- a second oil line for coupling between the oil pump and the oiling system of the vehicle; and
- a hose and fittings to connect a fuel pressure regulator to an intake tube, an intake manifold, or to an exhaust line.

Claim 117 (new): The turbocharger installation kit of claim 116, further comprising a first duct for delivering air from the turbocharger to a throttle body of the engine.

Claim 118 (new): The turbocharger installation kit of claim 116, wherein said mounting hardware is configured to mount the turbocharger proximate the location of an existing muffler of the vehicle.

Claim 119 (new): The turbocharger installation kit of claim 116, further comprising a valve for coupling to the first oil line and for preventing oil flow into the turbocharger when the engine is not running.

Claim 120 (new): The turbocharger installation kit of claim 116, further comprising second exhaust plumbing for coupling to the turbocharger and exiting exhaust from the turbocharger.

Claim 121 (new): The turbocharger installation kit of claim 116, further comprising mounting hardware for mounting the oil pump proximate an underside of the vehicle.

Claim 122 (new): The turbocharger installation kit of claim 116, further comprising an electrical harness, switch, and relay for providing variable voltage to the oil pump to adequately meet the varying flow requirements of the turbocharger while reducing the noise output of the oil pump when flow requirements are minimal.

Claim 123 (new): The turbocharger installation kit of claim 116, further comprising a pump controller for regulating the speed of the pump according to engine speed.